



TFW \$3622  
PATENT  
Attorney Docket No. 259675

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Story et al.

Application No.: 09/222,336

Filed: December 28, 1998

For: License Management for Digital Content

Art Unit: 3622

Examiner: Y. Retta

Confirmation No.: 3308

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants respectfully submit herewith an Information Disclosure Statement (IDS), a Form PTO-1449 Information Disclosure Statement and a copy of each document listed therein. The Examiner is requested to consider the cited documents, make them of record, and indicate his or her consideration of the documents by initialing the enclosed Form PTO-1449 adjacent the citation of each documents. Please return a copy of the initialed Form PTO-1449 to the Applicants' undersigned Attorney.

This IDS is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citations of any publications herein be construed as a representation that such publications are prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

The Commissioner is hereby authorized to charge \$180 in payment of the required fee to the undersigned attorney's Deposit Account No. 50-0369.

Respectfully submitted,

Date: 8/10/06

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| FORM PTO-1449<br>INFORMATION DISCLOSURE STATEMENT |  |                    | ATTY DOCKET NO.<br>25967/5 |                 | SERIAL NO.<br>09/222,336 |              |                             |
|---------------------------------------------------|--|--------------------|----------------------------|-----------------|--------------------------|--------------|-----------------------------|
|                                                   |  |                    | APPLICANT(S): Story et al. |                 |                          |              |                             |
|                                                   |  |                    | FILING DATE:<br>12/28/98   |                 | ART UNIT:<br>2162        |              |                             |
| UNITED STATES PATENT DOCUMENTS                    |  |                    |                            |                 |                          |              |                             |
| EXAM.<br>INITIAL                                  |  | DOCUMENT<br>NUMBER | DATE                       | INVENTOR        | CLASS                    | SUB<br>CLASS | FILE DATE IF<br>APPROPRIATE |
|                                                   |  | 3,763,330          | 10/2/73                    | Fulwiler        |                          |              | 6/28/71                     |
|                                                   |  | 3,871,112          | 3/18/75                    | Licitis         |                          |              | 10/1/73                     |
|                                                   |  | 4,266,243          | 5/5/81                     | Shutterly       |                          |              | 4/25/79                     |
|                                                   |  | 4,393,277          | 7/12/83                    | Besen et al.    |                          |              | 3/18/81                     |
|                                                   |  | 4,455,651          | 6/19/84                    | Baran           |                          |              | 10/20/80                    |
|                                                   |  | 4,473,824          | 9/25/84                    | Claytor         |                          |              | 7/22/83                     |
|                                                   |  | 4,499,568          | 2/12/85                    | Gremillet       |                          |              | 12/13/82                    |
|                                                   |  | 4,682,368          | 7/21/87                    | Takahashi       |                          |              | 3/26/85                     |
|                                                   |  | 4,698,776          | 10/6/87                    | Shibata         |                          |              | 5/23/84                     |
|                                                   |  | 4,725,977          | 2/16/88                    | Izumi et al.    |                          |              | 2/28/86                     |
|                                                   |  | 4,772,873          | 9/20/88                    | Duncan          |                          |              | 8/30/85                     |
|                                                   |  | 4,788,543          | 11/29/88                   | Rubin           |                          |              | 11/5/86                     |
|                                                   |  | 4,788,675          | 11/29/88                   | Jones et al.    |                          |              | 10/10/86                    |
|                                                   |  | 4,851,931          | 7/25/89                    | Parker et al.   |                          |              | 2/24/89                     |
|                                                   |  | 4,885,725          | 12/5/89                    | McCarthy et al. |                          |              | 3/12/87                     |
|                                                   |  | 4,891,838          | 1/2/90                     | Faber           |                          |              | 11/4/85                     |
|                                                   |  | D306,589           | 3/13/90                    | Murayama        |                          |              | 6/8/87                      |
|                                                   |  | 4,941,040          | 7/10/90                    | Pocock et al.   |                          |              | 2/10/88                     |
|                                                   |  | 4,949,187          | 8/14/90                    | Cohen           |                          |              | 12/16/88                    |
|                                                   |  | 4,963,995          | 10/16/90                   | Lang            |                          |              | 12/27/88                    |
|                                                   |  | 4,989,179          | 1/29/91                    | Simko           |                          |              | 10/12/89                    |
|                                                   |  | 5,008,872          | 4/16/91                    | Tomoda et al.   |                          |              | 3/21/88                     |
|                                                   |  | 5,018,017          | 5/21/91                    | Sasaki et al.   |                          |              | 12/8/89                     |
|                                                   |  | 5,042,070          | 8/20/91                    | Linna et al.    |                          |              | 10/1/90                     |



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|-----------------------------------------------------------------|--|--------------------|----------|-----------------------------------|-------|--------------------------|-----------------------------|--|--|
|                                                                 |  |                    |          | APPLICANT(S): <b>Story et al.</b> |       |                          |                             |  |  |
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| <b>UNITED STATES PATENT DOCUMENTS</b>                           |  |                    |          |                                   |       |                          |                             |  |  |
| EXAM.<br>INITIAL                                                |  | DOCUMENT<br>NUMBER | DATE     | INVENTOR                          | CLASS | SUB<br>CLASS             | FILE DATE IF<br>APPROPRIATE |  |  |
|                                                                 |  | 5,055,947          | 10/8/91  | Satoh                             |       |                          | 6/21/89                     |  |  |
|                                                                 |  | 5,065,258          | 11/12/91 | Warren et al.                     |       |                          | 9/23/88                     |  |  |
|                                                                 |  | 5,091,942          | 2/25/92  | Dent                              |       |                          | 7/23/90                     |  |  |
|                                                                 |  | 5,099,422          | 3/24/92  | Foresman et al.                   |       |                          | 3/17/89                     |  |  |
|                                                                 |  | 5,126,990          | 6/30/92  | Efron et al.                      |       |                          | 9/30/82                     |  |  |
|                                                                 |  | 5,132,992          | 7/21/92  | Yurt et al.                       |       |                          | 1/7/91                      |  |  |
|                                                                 |  | 5,153,729          | 10/6/92  | Saito                             |       |                          | 2/1/91                      |  |  |
|                                                                 |  | 5,159,182          | 10/27/92 | Eisele                            |       |                          | 12/12/89                    |  |  |
|                                                                 |  | 5,164,830          | 11/17/92 | Kim                               |       |                          | 5/6/91                      |  |  |
|                                                                 |  | 5,172,413          | 12/15/92 | Bradley et al.                    |       |                          | 12/20/90                    |  |  |
|                                                                 |  | 5,181,107          | 1/19/93  | Rhoades                           |       |                          | 9/20/91                     |  |  |
|                                                                 |  | 5,191,410          | 3/2/93   | McCalley et al.                   |       |                          | 2/5/91                      |  |  |
|                                                                 |  | 5,208,665          | 5/4/93   | McCalley et al.                   |       |                          | 2/15/91                     |  |  |
|                                                                 |  | 5,210,611          | 5/11/93  | Yee et al.                        |       |                          | 8/12/91                     |  |  |
|                                                                 |  | 5,237,612          | 8/17/93  | Raith                             |       |                          | 3/29/91                     |  |  |
|                                                                 |  | 5,247,347          | 9/21/93  | Litteral et al.                   |       |                          | 9/27/91                     |  |  |
|                                                                 |  | D339,554           | 9/21/93  | Davidson                          |       |                          | 12/10/91                    |  |  |
|                                                                 |  | 5,249,166          | 9/28/93  | Hamilton et al.                   |       |                          | 2/12/93                     |  |  |
|                                                                 |  | 5,251,909          | 10/12/93 | Reed et al.                       |       |                          | 5/28/91                     |  |  |
|                                                                 |  | 5,253,275          | 10/12/93 | Yurt et al.                       |       |                          | 4/2/92                      |  |  |
|                                                                 |  | 5,311,423          | 5/10/94  | Clark                             |       |                          | 1/7/91                      |  |  |
|                                                                 |  | 5,357,475          | 10/18/94 | Hasbun et al.                     |       |                          | 10/30/92                    |  |  |
|                                                                 |  | 5,359,698          | 10/25/94 | Goldberg et al.                   |       |                          | 12/20/91                    |  |  |
|                                                                 |  | 5,365,502          | 11/15/94 | Misono                            |       |                          | 2/4/92                      |  |  |
|                                                                 |  | 5,371,532          | 12/6/94  | Gelman et al.                     |       |                          | 5/15/92                     |  |  |



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**UNITED STATES PATENT DOCUMENTS**

| EXAM.<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | INVENTOR          | CLASS | SUB<br>CLASS | FILE DATE IF<br>APPROPRIATE |
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|                  | 5,383,112          | 1/17/95  | Clark             |       |              | 1/7/91                      |
|                  | 5,406,626          | 4/11/95  | Ryan              |       |              | 3/15/93                     |
|                  | D358,364           | 5/16/95  | Siddoway          |       |              | 12/20/93                    |
|                  | 5,420,690          | 5/30/95  | Koishi            |       |              | 7/20/94                     |
|                  | 5,440,336          | 8/8/95   | Buhro et al.      |       |              | 7/23/93                     |
|                  | 5,442,389          | 8/15/95  | Blahut et al.     |       |              | 12/28/92                    |
|                  | 5,442,390          | 8/15/95  | Hooper et al.     |       |              | 7/7/93                      |
|                  | 5,442,789          | 8/15/95  | Baker et al.      |       |              | 3/31/94                     |
|                  | 5,463,601          | 10/31/95 | Yanagisawa        |       |              | 4/7/93                      |
|                  | 5,483,658          | 1/9/96   | Grube et al.      |       |              | 2/26/93                     |
|                  | D366,874           | 2/6/96   | Robinson et al.   |       |              | 2/17/94                     |
|                  | 5,491,774          | 2/13/96  | Norris et al.     |       |              | 4/19/94                     |
|                  | 5,491,820          | 2/13/96  | Belove et al.     |       |              | 11/10/94                    |
|                  | 5,493,677          | 2/20/96  | Balogh et al.     |       |              | 6/8/94                      |
|                  | 5,499,221          | 3/12/96  | Ito et al.        |       |              | 12/16/93                    |
|                  | 5,499,294          | 3/12/96  | Friedman          |       |              | 5/24/95                     |
|                  | 5,504,815          | 4/2/96   | Ryan et al.       |       |              | 3/8/95                      |
|                  | 5,506,904          | 4/9/96   | Sheldrick et al.  |       |              | 12/3/93                     |
|                  | 5,511,000          | 4/23/96  | Kaloi et al.      |       |              | 11/18/93                    |
|                  | 5,511,122          | 4/23/96  | Atkinson          |       |              | 6/3/94                      |
|                  | 5,513,260          | 4/30/96  | Ryan              |       |              | 6/29/94                     |
|                  | 5,524,051          | 6/4/96   | Ryan              |       |              | 4/6/94                      |
|                  | D370,484           | 6/4/96   | Williamson et al. |       |              | 3/23/95                     |
|                  | 5,539,658          | 7/23/96  | McCullough        |       |              | 5/16/95                     |
|                  | 5,541,638          | 7/30/96  | Story             |       |              | 6/28/94                     |



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| <b>UNITED STATES PATENT DOCUMENTS</b>                           |  |                    |          |                            |       |                          |                             |
| EXAM.<br>INITIAL                                                |  | DOCUMENT<br>NUMBER | DATE     | INVENTOR                   | CLASS | SUB<br>CLASS             | FILE DATE IF<br>APPROPRIATE |
|                                                                 |  | 5,550,863          | 8/27/96  | Yurt et al.                |       |                          | 10/8/93                     |
|                                                                 |  | 5,555,098          | 9/10/96  | Parulski                   |       |                          | 4/26/94                     |
|                                                                 |  | 5,557,541          | 9/17/96  | Schulhof et al.            |       |                          | 7/21/94                     |
|                                                                 |  | 5,572,442          | 11/5/96  | Schulhof et al.            |       |                          | 7/21/94                     |
|                                                                 |  | 5,574,787          | 11/12/96 | Ryan                       |       |                          | 7/25/94                     |
|                                                                 |  | 5,579,471          | 11/26/96 | Barber et al.              |       |                          | 3/23/94                     |
|                                                                 |  | 5,586,186          | 12/17/96 | Yuval et al.               |       |                          | 7/15/94                     |
|                                                                 |  | 5,590,195          | 12/31/96 | Ryan                       |       |                          | 1/12/94                     |
|                                                                 |  | 5,592,511          | 1/7/97   | Schoen et al.              |       |                          | 1/29/96                     |
|                                                                 |  | 5,615,061          | 3/25/97  | Singh                      |       |                          | 9/29/94                     |
|                                                                 |  | 5,630,121          | 5/13/97  | Braden-Harder et al.       |       |                          | 2/2/93                      |
|                                                                 |  | 5,634,012          | 5/27/97  | Stefik et al.              |       |                          | 11/23/94                    |
|                                                                 |  | 5,634,080          | 5/27/97  | Kikinis et al.             |       |                          | 7/19/94                     |
|                                                                 |  | D379,456           | 5/27/97  | Osiecki                    |       |                          | 11/22/95                    |
|                                                                 |  | 5,638,443          | 6/10/97  | Stefik et al.              |       |                          | 11/23/94                    |
|                                                                 |  | 5,646,992          | 7/8/97   | Subler et al.              |       |                          | 9/23/93                     |
|                                                                 |  | 5,646,997          | 7/8/97   | Barton                     |       |                          | 12/14/94                    |
|                                                                 |  | 5,659,613          | 8/19/97  | Copeland et al.            |       |                          | 6/7/95                      |
|                                                                 |  | 5,664,228          | 9/2/97   | Mital                      |       |                          | 8/9/95                      |
|                                                                 |  | 5,669,283          | 9/23/97  | Iida et al.                |       |                          | 1/4/96                      |
|                                                                 |  | 5,673,316          | 9/30/97  | Auerbach et al.            |       |                          | 3/29/96                     |
|                                                                 |  | 5,699,526          | 12/16/97 | Siefert                    |       |                          | 8/21/96                     |
|                                                                 |  | 5,715,403          | 2/3/98   | Stefik                     |       |                          | 11/23/94                    |
|                                                                 |  | 5,724,582          | 3/3/98   | Pelanek et al.             |       |                          | 5/27/94                     |
|                                                                 |  | 5,727,156          | 3/10/98  | Herr-Hoyman et al.         |       |                          | 4/10/96                     |



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| <b>UNITED STATES PATENT DOCUMENTS</b>                           |  |                    |          |                            |       |                          |                             |
| EXAM.<br>INITIAL                                                |  | DOCUMENT<br>NUMBER | DATE     | INVENTOR                   | CLASS | SUB<br>CLASS             | FILE DATE IF<br>APPROPRIATE |
|                                                                 |  | 5,727,159          | 3/10/98  | Kikinis                    |       |                          | 4/10/96                     |
|                                                                 |  | 5,732,219          | 3/24/98  | Blumer et al.              |       |                          | 3/17/95                     |
|                                                                 |  | 5,745,568          | 4/28/98  | O'Connor et al.            |       |                          | 9/15/95                     |
|                                                                 |  | 5,752,244          | 5/12/98  | Rose et al.                |       |                          | 7/15/96                     |
|                                                                 |  | 5,761,485          | 6/2/98   | Peters                     |       |                          | 12/1/95                     |
|                                                                 |  | 5,769,269          | 6/23/98  | Peters                     |       |                          | 4/23/96                     |
|                                                                 |  | 5,781,723          | 7/14/98  | Yee et al.                 |       |                          | 6/3/96                      |
|                                                                 |  | 5,796,824          | 8/18/98  | Hasebe et al.              |       |                          | 2/20/96                     |
|                                                                 |  | 5,819,043          | 10/6/98  | Baughner et al.            |       |                          | 11/12/96                    |
|                                                                 |  | 5,881,225          | 3/9/99   | Worth                      |       |                          | 4/14/97                     |
|                                                                 |  | 5,928,330          | 7/27/99  | Goetz et al.               |       |                          | 9/6/96                      |
|                                                                 |  | D413,097           | 8/24/99  | Chang                      |       |                          | 1/16/98                     |
|                                                                 |  | 5,995,705          | 11/30/99 | Lang                       |       |                          | 7/18/97                     |
|                                                                 |  | 6,002,720          | 12/14/99 | Yurt et al.                |       |                          | 4/10/96                     |
|                                                                 |  | 6,005,938          | 12/21/99 | Banker et al.              |       |                          | 12/16/96                    |
|                                                                 |  | D419,956           | 2/1/00   | Lucaci et al.              |       |                          | 3/18/99                     |
|                                                                 |  | 6,026,368          | 2/15/00  | Brown et al.               |       |                          | 7/17/95                     |
|                                                                 |  | 6,044,471          | 3/28/00  | Colvin                     |       |                          | 6/4/98                      |
|                                                                 |  | 6,088,450          | 7/11/00  | Davis et al.               |       |                          | 4/17/96                     |
|                                                                 |  | 6,141,693          | 10/31/00 | Perlman et al.             |       |                          | 6/30/98                     |
|                                                                 |  | 6,157,929          | 12/5/00  | Zamiska et al.             |       |                          | 4/15/97                     |
|                                                                 |  | 6,389,541          | 5/14/02  | Patterson                  |       |                          | 5/15/98                     |



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| <b>FORM PTO-1449</b><br><b>INFORMATION DISCLOSURE STATEMENT</b>                                                                                                                                                                                                                   |  |                        |             | <b>ATTY DOCKET NO.</b><br><b>25967/5</b> |              | <b>SERIAL NO.</b><br><b>09/222,336</b> |                        |  |  |
|                                                                                                                                                                                                                                                                                   |  |                        |             | <b>APPLICANT(S): Story et al.</b>        |              |                                        |                        |  |  |
|                                                                                                                                                                                                                                                                                   |  |                        |             | <b>FILING DATE:</b><br><b>12/28/98</b>   |              | <b>ART UNIT:</b><br><b>2162</b>        |                        |  |  |
| <b>FOREIGN PATENT DOCUMENTS</b>                                                                                                                                                                                                                                                   |  |                        |             |                                          |              |                                        |                        |  |  |
|                                                                                                                                                                                                                                                                                   |  | <b>DOCUMENT NUMBER</b> | <b>DATE</b> | <b>COUNTRY</b>                           | <b>CLASS</b> | <b>SUB CLASS</b>                       | <b>TRANSLATION Y/N</b> |  |  |
|                                                                                                                                                                                                                                                                                   |  | 0 128 093              | 12/12/84    | EP                                       |              |                                        | Y                      |  |  |
|                                                                                                                                                                                                                                                                                   |  | 0 302 710              | 8/2/89      | EP                                       |              |                                        | Y                      |  |  |
|                                                                                                                                                                                                                                                                                   |  | 2 651 352              | 1/3/91      | FR                                       |              |                                        | N                      |  |  |
|                                                                                                                                                                                                                                                                                   |  | WO 87/04309            | 16/7//87    | PCT                                      |              |                                        | Y                      |  |  |
|                                                                                                                                                                                                                                                                                   |  | WO 96/35987            | 11/14/96    | PCT                                      |              |                                        | Y                      |  |  |
| <b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>                                                                                                                                                                                                     |  |                        |             |                                          |              |                                        |                        |  |  |
| Chang, Yee-Hsiang, <i>et al.</i> , <i>An Open-Systems Approach to Video on Demand</i> , IEEE Communications Magazine, May 1994, pp. 68-79.                                                                                                                                        |  |                        |             |                                          |              |                                        |                        |  |  |
| Deloddere, Daniel, <i>et al.</i> , <i>Interactive Video on Demand</i> , IEEE Communications Magazine, May 1994, pp. 82-88.                                                                                                                                                        |  |                        |             |                                          |              |                                        |                        |  |  |
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| Jones, Richard J., <i>Baseband and Passband Transport Systems for Interactive Video Services</i> , IEEE Communications Magazine, May 1994, pp. 90-101.                                                                                                                            |  |                        |             |                                          |              |                                        |                        |  |  |
| Kang, Chang Goo. <i>New Digital Multisignature Scheme in Electronic Contract Systems</i> , Proceedings 1995 IEEE International Symposium on Information Theory: Whistler Conference Centre, Whistler, British Columbia, Canada, September 17-22, 1995, p. 486.                    |  |                        |             |                                          |              |                                        |                        |  |  |
| Kaplan, Marc A., <i>IBM Cryptolopes™, Super Distribution and Digital Rights Management</i> , <a href="http://www.research.ibm.com/people/kaplan/crypotolope-docs/crypap.html">http://www.research.ibm.com/people/kaplan/crypotolope-docs/crypap.html</a> , March 27, 2000, 9 pgs. |  |                        |             |                                          |              |                                        |                        |  |  |
| <i>Microsoft Computer Dictionary</i> (Microsoft Press 2 <sup>nd</sup> ed.), 1994, pp. 188-213.                                                                                                                                                                                    |  |                        |             |                                          |              |                                        |                        |  |  |
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